

OREGON AND WASHINGTON DEPARTMENTS OF FISH AND WILDLIFE
JOINT STAFF REPORT: SUMMER FACT SHEET NO. 3b
Columbia River Compact/Joint State Hearing
July 13, 2022

<i>Fisheries under consideration:</i>	Mainstem recreational salmon downstream of Bonneville Dam
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Detailed information on stock status and management guidelines for Columbia River fisheries are presented in Joint Staff Reports, which are produced annually and available online. The most recent report is the 2022 Spring Chinook, Summer Chinook, Sockeye, Steelhead and Other Species Report (February 2, 2022) available at:

<https://wdfw.wa.gov/fishing/management/columbia-river/reports> and <https://www.dfw.state.or.us/fish/OSCRP/CRM/jsmreports.asp>

RIVER CONDITIONS

- As of July 12, the five-day average outflow at Bonneville Dam is 268 kcfs compared to the five-year average of 178 kcfs. The current five-day average water temperature at Bonneville Dam is 64°F compared to the five-year average of 67°F. The five-day average visibility at Bonneville Dam is 5.0 feet compared to the five-year average of 5.9 feet.

STOCK STATUS

Upper Columbia Summer Chinook

- The 2022 preseason forecast of 56,300 adult upper Columbia summer Chinook to the Columbia River mouth is similar to the 2021 actual return (56,800), but less than the recent 10-year average return of 68,900 adults.
- Bonneville passage during June 16 through July 11 totals 63,395 adult Chinook which is 146% of expected based on the preseason forecast and 5-year average run timing. The run is typically 79% complete by July 11 (5-year average).
- The *U.S. v. Oregon* Technical Advisory Committee met on Monday, July 11 and updated the summer Chinook return expectation to 82,300 Chinook at the Columbia River mouth. TAC's next scheduled meeting is Monday, July 18.

Summer Steelhead

- Steelhead passing Bonneville Dam between April 1 and June 30 (including Bonneville Pool harvest during this timeframe) are considered upriver Skamania-stock steelhead. Steelhead caught in the lower Columbia from May 1 to June 30 are counted as lower river Skamania stock steelhead. The preseason forecast was for a return of 3,100 total upriver Skamania summer steelhead, including 1,600 wild fish. The 2022 upriver Skamania-stock steelhead Bonneville Dam passage total was 8,190 including 2,943 unclipped fish.
- Steelhead passing Bonneville Dam from July 1 through October 31 are considered part of this year's A- and B-Index steelhead run. The preseason forecast is for a return of 81,000 A-Index

(28,100 wild) and 15,600 B-Index steelhead (1,900 wild). The expected aggregate return of 96,600 fish is 59% of the recent 10-year average.

- Through July 11 a total of 9,959 A-/B-Index summer steelhead have passed Bonneville Dam, which is 133% of the 10-year average cumulative count to this date. The A-/B-Index run is typically about 5% complete by July 11. Passage of unclipped A-/B-Index steelhead totals 4,107 fish as of July 11, which is 102% the 10-year average through this date.

Sockeye

- The preseason forecast was for a return of 198,700 sockeye to the Columbia River mouth. Through July 11, a total of 591,134 sockeye have been counted at Bonneville Dam which is the highest cumulative count to date since the project was constructed in 1938 and 209% higher than the recent 10-year average. Based on 10-year average passage timing the run is 94% complete on July 11.
- The *U.S. v. Oregon* Technical Advisory Committee met on Monday, July 11 and reviewed sockeye passage to date. TAC updated the sockeye return expectation to 636,500 fish at the Columbia River mouth; this represents a slight downgrade from the expectation provided the prior week.

MANAGEMENT GUIDELINES

Summer Chinook

- Management guidelines, Oregon and Washington allocation policies, and escapement goals were presented in Summer Fact Sheets #1 and #2b.
- Given the current run size expectation, management guidelines, and state policies, the fishery specific allocations are as follows:

2022 Upper Columbia Summer Chinook Allocations		
	Preseason	In-season
CR Run Size	56,346	82,300
Non-treaty Ocean Harvest	7,880	7,880
Total Abundance (w/ocean harvest)	64,226	90,180
Available Treaty Indian Harvest	15,835	25,568
Available Non-treaty Harvest (in-river)	7,955	17,688
Below Priest Rapids Dam Allocation	1,805	6,449
<i>Recreational below Bonneville</i>	<i>1,074</i>	<i>3,837</i>
<i>Recreational BON to PRD</i>	<i>190</i>	<i>677</i>
<i>Non-treaty Commercial</i>	<i>361</i>	<i>1,290</i>
<i>Unallocated Non-treaty (10%)</i>	<i>180</i>	<i>645</i>
Above Priest Rapids Dam Allocation	6,150	11,239
<i>Wanapum Non-treaty Tribal</i>	<i>94</i>	<i>329</i>
<i>Colville Non-treaty Tribal</i>	<i>3,075</i>	<i>6,181</i>
<i>Recreational PRD to Chief Joseph Dam</i>	<i>2,981</i>	<i>4,728</i>

Summer Steelhead

- The non-treaty ESA impact limit on wild A-/B-Index summer steelhead is 2% each in fisheries occurring from January through July.
- Due to the low projected returns for upriver summer steelhead, additional protective regulations have again been implemented in 2022 fisheries. For summer-season fisheries in the mainstem between the Astoria/Megler Bridge and the Highway 395 Bridge (near Pasco, WA), the daily bag limit may not include more than one hatchery steelhead.

Sockeye

- Management guidelines, Oregon and Washington allocation policies, and escapement goals were presented in Summer Fact Sheets #1 and #2b.

2022 NON-TREATY FISHERIES

Mainstem Columbia River Recreational Summer Chinook Fisheries

- The recreational summer fishery downstream of Bonneville Dam to the Astoria-Megler Bridge was open June 16-22 for hatchery Chinook and hatchery steelhead retention with a two-fish/one-steelhead daily adult bag limit. From June 23-30 adult Chinook retention was prohibited but the fishery remained open for hatchery jack Chinook and hatchery steelhead retention. Beginning July 1, hatchery adult summer Chinook and sockeye retention was allowed within the adult daily bag limit. Through July 10, anglers have kept 2,531 adult summer Chinook (1,501 released), 706 sockeye (1,695 released), and 2,381 summer steelhead (929 released) from 20,272 angler trips.
- The recreational summer Chinook retention fishery downstream of Bonneville Dam is currently scheduled to remain open through July 13. Catch projections for July 11-13 include 205 kept adult summer Chinook (81 released), 115 sockeye (13 released), and 207 summer steelhead (94 released).
- The recreational fishery from Bonneville Dam upstream to Highway 395 (Pasco, WA) opened June 16 for hatchery Chinook and hatchery steelhead retention with sockeye retention allowed beginning July 1 and is scheduled to remain open through July 31. Salmonid effort and catch have been minimal with approximately 62 kept adult summer Chinook (53 released), 80 sockeye (seven released), and four summer steelhead released through July 10 from about 500 angler trips.
- The Hanford Reach recreational fishery opened to hatchery Chinook and sockeye retention June 16 and is scheduled to run through August 15 with the exception of a bank-only fishery occurring downstream of the I-182 Bridge that is scheduled to close on July 16. Anglers have kept 166 adult summer Chinook (45 released), 7,015 sockeye (5 released), with no steelhead handled through July 10 from approximately 11,000 angler trips.
- The Wanapum Band (tribal) fishery has harvested one adult hatchery summer Chinook and 45 sockeye through July 10.
- Catch estimates from the recreational fishery upstream of Priest Rapids Dam and the Colville tribal fishery are unavailable at this time.

- Given the remaining balance on the summer Chinook allocation at the current run-size projection, the Joint Staff recommend additional recreational retention opportunity in the fishery downstream of Bonneville Dam.

<i>Recommendation: 2022 Mainstem Columbia River Recreational Salmon Fishery</i>
Downstream of Bonneville Dam
Season: July 14 through July 31
Area: Astoria-Megler Bridge to Bonneville Dam
Daily Bag Limit: Two adult salmonids (hatchery Chinook, hatchery steelhead, and sockeye) of which no more than one may be a steelhead. All previously adopted regulations remain in effect.

- Catch expectations for the recommended adult summer Chinook fishery extension downstream of Bonneville Dam are for a handle of 1,041 fish with 622 kept. When combined with estimated and projected mortalities through July 13, the total summer Chinook mortality for the summer recreational fishery downstream of Bonneville Dam is expected to total 3,658 adults, and results in 95% of the current sub-area allocation.
- Non-treaty summer Chinook and sockeye mortalities are summarized in the tables below:

Accounting of upper Columbia summer Chinook mortalities in 2022 in-river non-treaty fisheries						
Fishery	Summer Chinook Mortalities (k+r)			Current Allocation	Percent of Allocation	Balance
	Through July 10	Recommendation	Total Expected*			
<i>Comm. downstream of BON</i>	<i>na</i>	<i>na</i>	<i>50</i>	<i>1,290</i>	<i>4%</i>	<i>1,240</i>
Rec. downstream of BON	2,756	685	3,658	3,837	95%	179
Rec. BON - PRD	243	na	410	677	61%	267
<i>Rec. below PRD</i>	<i>2,999</i>		<i>4,068</i>	<i>4,514</i>	<i>90%</i>	<i>447</i>
<i>Unallocated subtotal below PRD**</i>				<i>645</i>		<i>645</i>
<i>Total below PRD</i>			<i>4,118</i>	<i>6,449</i>	<i>64%</i>	<i>2,331</i>
Rec. above PRD	0	na	4,728	4,728	100%	0
Colville and Wanapum tribal fisheries***	1	na	6,510	6,510	100%	0
<i>Total in-river non-treaty</i>	<i>3,000</i>		<i>15,306</i>	<i>17,687</i>	<i>87%</i>	<i>2,331</i>

* Total expected includes mortalities through July 13 and release mortalities during steelhead/sockeye fisheries.

** Unallocated balance is a result of non-concurrent OR/WA Commission guidance.

*** Wanapum is open w/ 329 allocation.

Accounting of Sockeye mortalities in 2022 non-treaty fisheries						
Fishery	Sockeye Mortalities (k+r)			Current Allocation	Percent of Allocation	Balance
	Through July 10	Recommendation	Total Expected*			
<i>Comm. downstream of BON**</i>	25	na	27	1,273	2%	1,246
Rec. downstream of BON	960	na	1,031			
Rec. BON - Hwy 395	81	na	97			
<i>Recreational subtotal</i>	<i>1,041</i>	<i>0</i>	<i>1,128</i>	<i>4,456</i>	<i>25%</i>	<i>3,328</i>
<i>Unallocated subtotal***</i>				<i>637</i>		<i>637</i>
TOTAL	1,066		1,155	6,365	18%	5,210
Snake River ESA			0.18%	1.00%		

* Total expected includes mortalities July 11-31.

** Includes select area and spring tangle net mortalities.

*** Unallocated balance between OR/WA Commission guidance (non-concurrence) resulting in 10% difference between recreational/commercial.

- Impacts to other listed stocks, including steelhead, are expected to remain below ESA-take limitations. The total HRs on wild A-Index, and wild B-Index steelhead in non-treaty recreational fisheries occurring in July are expected to be 0.53% and 0.15%, respectively. Pre-season expectations were outlined in the 2022 Spring/Summer Joint Staff Report in the 2022 Winter, Spring, and Summer Season Expectations section.

FUTURE MEETINGS

- A Compact Hearing is scheduled for 10:00 AM, Wednesday July 27 to consider fall season Treaty and non-Treaty commercial fisheries. The Joint Staff will monitor fisheries and recommend additional hearings as needed.